

REMARKS

In accordance with the foregoing, the specification and claims 1, 3-8 and 10-15 have been amended, claims 2 and 9 have been cancelled and new claim 16 has been added.

No new matter is presented and, accordingly, approval and entry of the new and amended claims are respectfully requested.

STATUS OF CLAIMS

Claims 1, 3-8 and 10-16 are pending and under consideration - - and all of claims 1-15 stand rejected.

ITEMS 3 AND 4: REJECTION OF CLAIM 15 UNDER 35 U.S.C. §101 AS DIRECTED TO NON-STATUTORY SUBJECT MATTER

Claim 15 is amended in the foregoing and, as amended, is submitted to be in compliance with 35 U.S.C. §101 and, accordingly, withdrawal of the rejection is respectfully requested.

ITEM 6: REJECTION OF CLAIMS 1-15 FOR ANTICIPATION UNDER 35 U.S.C. §102(e) BY BADDING ET AL. (U.S. PATENT 6,526,550)

The rejection is respectfully traversed.

Badding (USP 6,526,550) discloses an analysis system for analyzing a base portion of a geometrical model and classifies the elements and the boundaries and automatically provides the boundary condition to the modified portion.

However, Badding does not disclose setting of conditions for multi-physics as in the present invention. Indeed, Badding does not even use the term “multi-physics” much less disclose any analysis method based thereon - - nor does it disclose or use any of the other terms characteristic of the pending claims, such as “physical model”, “physical simulation model”, “object model” and the like. The functions of “setting...analysis conditions” and “searching...” do not appear in the disclosure of the reference, much less in relation to the clauses of the claim recitations containing those terms.

It is submitted to be clear that any rejection based on anticipation must provide a disclosure commensurate with the recitations of the rejected claims, or that rejection must fail and be withdrawn - - which is submitted to be appropriate in the present circumstance.

Indeed, this invention relates to not only making a correspondence of the elements and boundaries (see 4 in FIG. 1), but also easy selection of a physical simulation model for the

elements and the boundaries in a common screen, as in claims 1, 8, 15 and 16.

As shown in Fig. 2 of the application, a screen for selecting element conditions commonly displays boundaries conditions, as recited in claims 2 and 10.

The Examiner reads claims 2 and 10 on Badding, citing "CL1L 44-47", (page 4, last line of "Per claim 2" paragraph) and see also page 6 including "CL1L 44-47" that same citation and also "CL 2, L 48-52" - - but such portions in Badding col. 1, lines 44-47 and col. 2, lines 48-52 do not disclose that a screen for selecting element conditions commonly displays selecting boundary conditions as recited in claims 2 and 10.

It is submitted that the remaining rejections of the pending claims based on Badding et al. fail on similar ground, taking into account the similar recitation as are apparent.

Accordingly, it is submitted that none of the anticipation rejections are supported by the reference and, thus, the reference should be withdrawn.

CONCLUSION

In accordance with the foregoing, it is respectfully submitted that the pending claims patentably distinguish over the references and rejections of record and, there being no further outstanding objections or rejections, it is submitted that the application is in condition for allowance. An early action to that effect is courteously solicited.

Finally, if there are any formal matters remaining after this response, the Examiner is requested to telephone the undersigned to attend to these matters.

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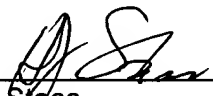
If there are any additional fees associated with filing of this Amendment, please charge the same to our Deposit Account No. 19-3935.

Respectfully submitted,

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CERTIFICATE UNDER 37 CFR 1.8(a)
I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on 2-23, 2005
STAAS & HALSEY
By: Kevin P. Adams
Date: 2-23-05

AMENDMENTS TO THE DRAWINGS:

In the Office Action at item 2, the Examiner objected to the drawings. In order to overcome these objections, replacement FIGS. 10-18, 21, 24A, 24B (together replacing FIG. 24 - - and see corresponding specification amendment in the paragraph at page 13, line 22) and 26 are submitted herewith.

Although the drawing objections in Form PTO-948 cite FIGS. 27 and 28, no such Figure numbers exist herein and, instead, it appears the Examiner may have intended to cite FIGS. 27A and 28B. FIGS. 10-18, 27A and 27B are revised to overcome objections as to shading, etc., in Items 1, 11, and 12 of Form PTO-948 and brackets are added in FIGS. 21 and 26 and renumbering is presented for the components of (original) FIG. 24 to overcome the objections of paragraph 6 of Form PTO-948. A missing numeric legend 150 designating the "Mesh" icon is added in FIG. 10 (see, page 19, lines 18-19).

Approval of these changes to the Drawings and entry of the replacement figures are respectfully requested.